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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Claim 1 (canceled)

Claims 2 and 3 (canceled)

Claim 4 (previously presented) A binaphtyl compound of the formula:

$$(X^{1})_{n}^{1}$$
  $(X^{2})_{n}^{2}$   $Ar^{2}$ 

wherein each  $Ar^1$  and  $Ar^2$  is independently a substituted or non-substituted polycyclic aromatic hydrocarbon or a substituted or non-substituted aromatic heterocycle, each  $X^1$  and  $X^2$  is independently a substituted or non-substituted aromatic hydrocarbon, each  $n^1$  and  $n^2$  is independently 0 or 1, each  $R^1$  and  $R^2$  is independently a hydroxyl group, a substituted or non-substituted alkyl group, or a substituted or non-substituted alkoxy group, wherein  $R^1$  and  $R^2$  can be bound to each other to form a ring structure wherein the ring structure can have substitutent groups, and wherein the compound's binaphtyl framework can be independently substituted by a halogen, a hydroxyl group, or a substituted or non-substituted alkyl, alkenyl, alkoxy or alkoxycarbonyl group at any position except those occupied by  $(X^1)n^1Ar^1$ ,  $(X^2)n^2Ar^2$ ,  $R^1$  and  $R^2$ .

Claim 5 (original) The binaphtyl compound of claim 4 wherein each  $R^1$  and  $R^2$  is an alkoxy group.

Claims 6 - 11 (canceled)

Claim 12 (original) An organic light emitting device comprising an anode and a cathode, and an emissive layer between the anode and cathode, the device including a layer between the emissive layer and the cathode comprising the binaphtyl compound of claim 4.

Claim 13 (currently amended) An organic light emitting device comprising an anode and a cathode, and an emissive layer between the anode and cathode, the device including a hole-

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blocking layer between the emissive layer and the cathode comprising the a binaphtyl compound of claim 1 the formula:

$$(x^{1})_{n^{1}} \qquad (x^{2})_{n^{2}}$$

$$Ar^{1}$$

wherein each Ar<sup>1</sup> and Ar<sup>2</sup> is independently a substituted or non-substituted polycyclic aromatic hydrocarbon or a substituted or non-substituted aromatic heterocycle, each X1 and X2 is independently a substituted or non-substituted aromatic hydrocarbon, each n<sup>1</sup> and n<sup>2</sup> is independently 0 or 1, and wherein the compound's binaphtyl framework can be independently substituted at any position except those occupied by (X<sup>1</sup>)n<sup>1</sup>Ar<sup>1</sup> and (X<sup>2</sup>)n<sup>2</sup> Ar<sup>2</sup>.

Claim 14 (currently amended) An organic light emitting device comprising an anode and a cathode, and an emissive layer between the anode and cathode, the device including a holeblocking layer between the emissive layer and the cathode comprising the a binaphtyl compound of elaim-1 the formula:

$$(X^{1})_{n}^{1}$$
  $(X^{2})_{n}^{2}$   $Ar^{2}$ 

wherein each Ar<sup>1</sup> and Ar<sup>2</sup> is independently a substituted or non-substituted polycyclic aromatic hydrocarbon or a substituted or non-substituted aromatic heterocycle, each  $X^1$  and  $X^2$  is independently a substituted or non-substituted aromatic hydrocarbon, each n

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independently 0 or 1, each R<sup>1</sup> and R<sup>2</sup> is independently a hydroxyl group, a substituted or non-substituted alkyl group, or a substituted or non-substituted alkoxy group, wherein R<sup>1</sup> and R<sup>2</sup> can be bound to each other to form a ring structure wherein the ring structure can have substituent groups, and wherein the compound's binaphtyl framework can be independently substituted by a halogen, a hydroxyl group, or a substituted or non-substituted alkyl, alkenyl, alkoxy or alkoxycarbonyl group at any position except those occupied by (X<sup>1</sup>)n<sup>1</sup>Ar<sup>1</sup>, (X<sup>2</sup>)n<sup>2</sup> Ar<sup>2</sup>, R<sup>1</sup> and R<sup>2</sup>.

Claim 15 (previously presented) The organic light emitting device of claim 14 in which the holeblocking layer between the emissive layer and the cathode comprises a compound of the formula:

Claims 16 and 17 (canceled)

Claim 18 (new) A binaphtyl compound of the formula:

$$(x^{1})_{n^{1}} \qquad (x^{2})_{n^{2}}$$

$$Ar^{1} \qquad Ar^{2}$$

wherein each  $Ar^1$  and  $Ar^2$  is independently a three, four or five-condensed aromatic ring, each  $X^1$  and  $X^2$  is independently a substituted or non-substituted aromatic hydrocarbon, each  $n^1$  and  $n^2$  is independently 0 or 1, and wherein the compound's binaphtyl framework can be independently substituted at any position except those occupied by  $(X^1)n^1Ar^1$  and  $(X^2)n^2Ar^2$ .

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Claim 19 (new) An organic light emitting device having an anode and cathode and an emissive layer between the anode and cathode, the emissive layer comprising:

a binaphtyl compound of the formula:

$$(x^{1})_{n^{1}} \qquad (x^{2})_{n^{2}}$$

$$Ar^{2}$$

wherein each  $Ar^1$  and  $Ar^2$  is independently a three, four or five-condensed aromatic ring, each  $X^1$  and  $X^2$  is independently a substituted or non-substituted aromatic hydrocarbon, each  $n^1$  and  $n^2$  is independently 0 or 1, and wherein the compound's binaphtyl framework can be independently substituted at any position except those occupied by  $(X^1)n^1Ar^1$  and  $(X^2)n^2Ar^2$ ; and fac-tris(2-phenylpyridine) iridium(III) as a phosphorescent dye dopant.